Work Orde December-19-12				*946			Page 1				
Item ID: Revision ID: Item Name: Start Date: Required Date:	D3916-5 Light Rib 12/19/12 1/11/13	Start Qty: 6.00 Req'd Qty: 6.00	*6*	Accept	*N900 Cust Item I Customer:		100)* s	etup Start Stop	I VI	S1* S2*
Reference:			h 16					R	un Start	*N1	D1*
Approvals:	Process Plan QC:	n:		✓ Tooling:SPC (Y/N):		ate: ate:			Stop	*N	R2*
Sequence ID/ Work Center II	D .	Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revi	ision Nbr									
D3916	A										
*100 *100* Large Fab Large Fab		*** Make l	50" be with manuel pipe bende line at 9.00" annd use jig f cess tube material to finish	or other line***				<u>8</u> _	SAF) 13-	03-18
110 QC Quality Control		QC6- Inspect dimension Memo	ns to drawing	0.00					<u> </u>	-14	DAS 09
120 *120* Packaging		Identify as per dwg & S	Stock Location: <u>W</u> なっ	0.00				&) <u>13-0</u> °	<u> </u>	DAS:

Packaging

										DQA:	Dat	te: _	
NCR:	Yes / No				WORK ORDER NON-CONFORMANCE / UPDATE						_		
		,		-	Y					QA Closed:	Dat	te:	
Work Orde	or.				DISPOSITION			AGAINST	DE	PARTMENT/	PROCESS		
Part No					Rework Skid-tube Machining Use-as-is Thermoforming Large Fab			Machining Small Fab	Prod. Eng. Coor. Qua			Engineering Quality Other	
Root		1		Descri	ption of work order update	- 	Initial	Action		Sign &		$\overline{}$	
Cause	Date	Step	Qty		or Non-conformance	1	nief Eng	Description		Date	Verification	n	QC Inspector
Doc/Data Equip/Tooling Operator Material Setup Other Process Supplier Training Unapproved													
						AUI	LT CATE	GORY					
Landi	ng Gear			_	General	_	7		_	7		_	1
<u>.</u>	Crushed/Crimped. Cuffs			Bend BOM/Route Broken/Damaged Burrs Contamination		Grain Hardware Inspection Incomplete Instructions Incomplete/Unclear Maintenance			Ovalized Over/Under Part Incorred Part Lost/Mi Part Moved	ct ssing		Pressure/Forced Temperature/Cure Weld Wrong Stock Pulled	
1	Heat Tre	at		į į	Countersink	ı	Mislabe	eled	1	Positioned V	Vrong		

Misread

Out of Calibration

Out of Sequence

Outside Dimensions

Offset

Power Loss/Surge

Other

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

Inspection Strip in Tube

Torque Waves in Extrusion

Cut Too Short

Drill Holes

Drawing

Finish

Folio

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Work Orde				*946				Page 2					
Revision ID:	D3916-5 Light Rib			Accept	*N900	040	100	*	Setup	Start Stop		S1* S2*	
Start Date: Required Date: Reference:	12/19/12 1/11/13	Start Qty: 6.00 Req'd Qty: 6.00	*6* *6*		Cust Item I Customer:	D:							
Approvals:	Process Pla QC:	n:	Date:			ate:			Run	Start Stop	*N! *N!	R1*	
Sequence ID/ Work Center II	D	Operation Description	West Order Polesses	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept	t Re Qt	•	Reject Number	Insp. Stamp	
*130 *130* QC		QC21- Final Inspection Memo	- work Order Release	0.00					13	3/3	120	#	• -

Quality Control

1130319

NCR:	Yes	/	No	

WORK ORDER NON-CONFORMANCE / UPDATE

DQA:	Date:	

NCR: Ye	es / No				WORK ORDER NON-C	CONF	OKI	MANCE / UP	DATE	QA Closed:	Dat	:e:	., '	
NA/anli Ondan					DISPOSITION		AGAINST DEPARTMENT/PROCESS							
Work Order:					Rework Scrap		Skid-tube Crosstube Machining Small Fab			4	Water Jet d. Eng. Coor.		neering Quality	
NCR No	Use-as-is Thermoforming Work Order Update Large Fab						·	FinishingComposite	Rec/Stor	e/Packaging Supplier		Other		
Root	Description of work order update				Init	ial	Ac	ction	Sign &					
Cause	Date	Step	Qty		or Non-conformance	Chief	Eng	Desc	ription	Date	Verification	1 Q(Cinspector	
Doc/Data														
Equip/Tooling						ļ							,	
Operator								•						
Material														
Setup														
Other														
Process														
Supplier			1											
Training														
Unapproved		<u> </u>			· · · · · · · · · · · · · · · · · · ·						<u> </u>			
					<u> </u>	AULT (CATE	GORY						
Landing	g Gear			<u></u>	General					-				
Ĺ	Bending				Bend	G	rain			Ovalized		Pressu	re/Forced	
	Centre No	ot Conce	ntric to C)/S	BOM/Route	Ha	ardwa	re		Over/Under	tolerance	Temp	erature/Cure	
L	Cracks				Broken/Damaged	ln:	specti	on Incomplete		Part Incorre	ct	Weld		
	Crushed/	Crimped	_		Burrs	ln:	struct	ions Incomplete,	/Unclear	Part Lost/M	issing	Wron	g Stock Pulled	
	Cuffs				Contamination	M	lainte	enance		Part Moved				
	Heat Trea	at			Countersink	М	islabe	eled		Positioned \	V rong			
	Inspectio	n Strip in	Tube		Cut Too Short	М	isread	i		Power Loss,	/Surge	Other		
. [Ripples in	Bend			Drill Holes	01	ffset			-				
Γ	Torque W	laves in E	Extrusion		Drawing	По	ut of (Calibration						
	Turning S	equence			Finish	По	ut of S	Sequence						
1.	Waye/Tw	ist in Tul	he		Teolio		utside	Dimensions						

December-19-12 3:02:24 PM

Work Order ID:

94698

Parent Item:

D3916-5

Parent Item Name:

Light Rib

Start Date: 12/19/12

Required Date: 1/11/13

Start Qty: 6.00

Required Qty: 6.00

Comments:

IPP RevA: new issue DD 09.11.23 verified by:EC

IPP Rev:B as per dwg revA

	10.03.15 verified b	y:EC	•	•									
Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M304TS0.500W.049		Purchased	No			100	f	1,121.4673	4.166	26,311,579	12	-03-	10
Square Tubing				Location		Loc Qty	Lo	c Code	-	V-JV-			1-0
				MAT018		4.50752				,			
				12	22413	4.50752							
				WA006		1116.959815							
				11	8460	0.00001534							·
				12	21808	0.07							
				12	22938	531.8898				53.7			
				12	23565	585			<i>33</i> .	328			

									DQA:	Date:					
NCR: Ye	s / No				WORK ORDER NON-CONFORMANCE / UPDATE					Date:					
Work Order:					DISPOSITION		AGAINST DEPARTMENT/PROCESS								
work order.					Rework		Skid-tube Crosstube			Water Jet	Engineering				
Part No.					Scrap		Machining Small Fab			d. Eng. Coor.	Quality				
NCR No.					Use-as-is Work Order Update					re/Packaging Supplier	Other				
Root				Descri	ption of work order update	Initial	Ac	tion	Sign &						
Cause	Date	Step	Qty	(or Non-conformance	Chief Eng	Desc	ription	Date	Verification	QC Inspector				
Doc/Data															
quip/Tooling]						1								
Operator					ļ					i	!				
Material															
Setup]														
Other															
Process															
Supplier	7														

FAULT CATEGORY Landing Gear General Bend Ovalized Pressure/Forced Bending Grain BOM/Route Centre Not Concentric to O/S Over/Under tolerance Temperature/Cure Hardware Cracks Broken/Damaged Inspection Incomplete Part Incorrect Weld Instructions Incomplete/Unclear Crushed/Crimped. Burrs Part Lost/Missing Wrong Stock Pulled Cuffs Contamination Maintenance Part Moved Heat Treat Countersink Mislabeled Positioned Wrong Inspection Strip in Tube Misread Other Cut Too Short Power Loss/Surge Drill Holes Ripples in Bend Offset Torque Waves in Extrusion Drawing Out of Calibration Turning Sequence Finish Out of Sequence Folio Wave/Twist in Tube Outside Dimensions

Training Unapproved

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